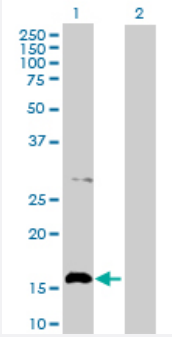
MaxPab®

ACP1 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00000052-D01P Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of ACP1 expression in transfected 293T cell line (H00000052-T01) by ACP1 MaxPab polyclonal antibody.

Lane 1: ACP1 transfected lysate(18.00 KDa).
Lane 2: Non-transfected lysate.

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human ACP1 protein.
Immunogen	ACP1 (NP_009030.1, 1 a.a. ~ 158 a.a) full-length human protein.
Sequence	MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPDPRAVSCLR NHGIHTAHKARQITKEDFATFDYILCMDESNLRDLNRKSNQVKTCKAKIELLGSYDPQKQLIIEDPYY GNDSDFETVYQQCVRCCRAFLEKAH
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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  Protocol Download

Gene Info — ACP1

Entrez GeneID	52
GeneBank Accession#	NM_007099.2
Protein Accession#	NP_009030.1
Gene Name	ACP1
Gene Alias	HAAP, MGC111030, MGC3499
Gene Description	acid phosphatase 1, soluble
Omim ID	171500
Gene Ontology	Hyperlink
Gene Summary	The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyros ine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophospho ric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three co mmon alleles segregating at the corresponding locus give rise to six phenotypes. Each allele app ears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	acid phosphatase of erythrocyte|adipocyte acid phosphatase|cytoplasmic phosphotyrosyl protein phosphatase|low molecular weight phosphotyrosine protein phosphatase|protein tyrosine phosph atase|red cell acid phosphatase 1

Pathway

- Adherens junction

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- gamma-Hexachlorocyclohexane degradation
- Riboflavin metabolism

Disease

- Abortion
- Asthma
- Atherosclerosis
- Attention Deficit Disorder with Hyperactivity
- Birth Weight
- Cardiovascular Diseases
- Colon cancer
- Colonic Neoplasms
- Coronary Artery Disease
- Crohn Disease
- Dermatitis
- Diabetes
- Diabetes Mellitus
- Diabetic Ketoacidosis
- Edema
- Endometriosis
- Fetal Growth Retardation
- Genetic Predisposition to Disease
- Hyperlipidemias
- Hypersensitivity
- Insulin Resistance
- Leiomyoma

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- Liver Cirrhosis
- Lupus Erythematosus
- Malaria
- Neoplasms
- Obesity
- Osteoporosis
- Pregnancy in Diabetics
- Prenatal Exposure Delayed Effects
- Tobacco Use Disorder
- Tourette Syndrome
- Tuberculosis
- Uterine Neoplasms

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